

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 September 2001 (13.09.2001)

PCT

(10) International Publication Number
WO 01/66803 A3

(51) International Patent Classification⁷: **C12Q 1/68, G06F 19/00**

(21) International Application Number: **PCT/US01/07608**

(22) International Filing Date: **9 March 2001 (09.03.2001)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
60/188,021 9 March 2000 (09.03.2000) US

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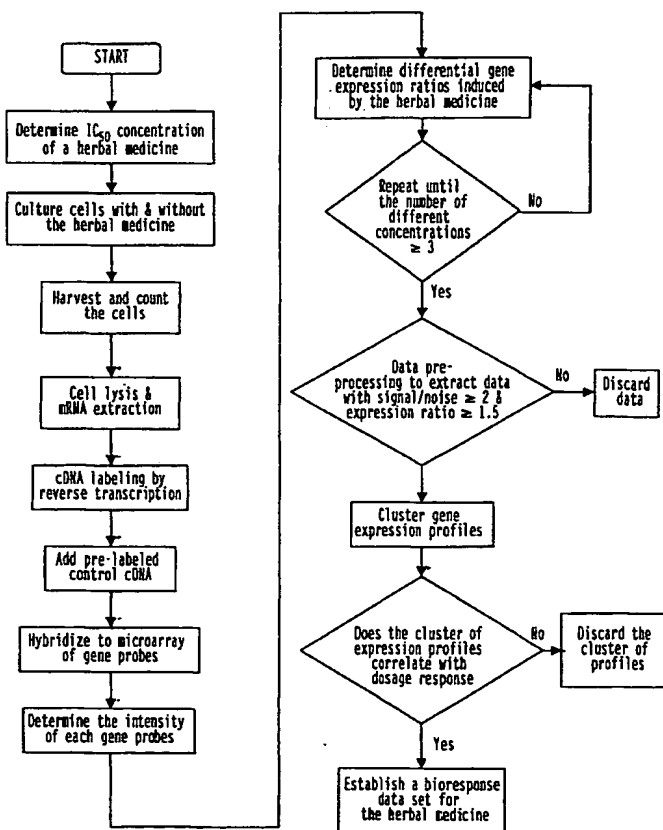
C. [US/US]; 975 Memorial Drive, Unit 301, Cambridge, MA 02138 (US). **PECK, Konan** [—/—]; 6F, No.8, Alley 30, Lane 78, Sec.2, Fu-Shing S. Road, Taipei, Taiwan 106 (TW). **LEE, Yun-Shien** [—/—]; 9F, 604 Nwan-Nwan Street, Keelung, Taiwan 200 (TW). **SHER, Yuh-Pyng** [—/—]; 7F, 114 Gungjan Road, Shijr Jen, Taiwan 221 (TW). **CHENG, Yung-Chi** [US/US]; 961 Baldwin Road, Woodbridge, CT 06525 (US).

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

[Continued on next page]

(54) Title: **PHYTOMICS: A GENOMIC-BASED APPROACH TO HERBAL COMPOSITIONS**



(57) Abstract: The present invention provides the tools and methodologies necessary to guide the standardization of herbal compositions, to determine which specific components of an herbal composition are responsible for any particular biological activity, to predict the biological activities of a particular herbal composition, to determine the relatedness of herbal compositions, and for the development of improved herbal therapeutics. This invention provides the tools and methodologies for creating, maintaining, improving and utilizing Herbal BioResponse Arrays (HBR Arrays), wherein the HBR Arrays constitute data sets associated with particular herbal compositions. The HBR Arrays of the present invention contain gene expression profiles and may also include information on the plant-related parameters of the herbal constituents, marker information collected following the exposure of a biosystem to the herbal composition, and biological response information collected following the exposure of a biosystem to the herbal composition.

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(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(88) **Date of publication of the international search report:**
18 April 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/07608

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68 G06F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, MEDLINE, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 06874 A (UNIV CALIFORNIA) 19 February 1998 (1998-02-19) the whole document ---	1-24
X	WO 97 13877 A (LYNX THERAPEUTICS INC ; MARTIN DAVID W (US)) 17 April 1997 (1997-04-17) the whole document ---	1-24
X	WO 97 27317 A (CHEE MARK ; LAI CHAOQIANG (US); LEE DANNY (US); AFFYMETRIX INC (US)) 31 July 1997 (1997-07-31) the whole document ---	1-24
X	WO 97 06277 A (UNIV CALIFORNIA) 20 February 1997 (1997-02-20) the whole document --- -/--	1-24

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Date of the actual completion of the international search

19 December 2001

Date of mailing of the international search report

18/02/2002

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INTERNATIONAL SEARCH REPORT

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A	<p>HAY R J: "Cell line banking and authentication." DEVELOPMENTS IN BIOLOGICAL STANDARDIZATION, vol. 93, 1998, pages 15-19, XP001031093 Conference Centre of the Marcel-Merieux Foundation; Annecy, France; September 29-October 1, 1996, products prepared from mammalian cell culture. 1998 S. Karger AG; S. Karger AG P.O. Box, Allschwilerstrasse 10, CH-4009 Basel, Switzerland; New York, New York, USA ISBN: 3-8055-6732-4 the whole document</p> <p>---</p>	
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